



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): B. Mark Hirst

Confirmation No.: 9388

Application No.: 10/763664

Examiner: Not Assigned

Filing Date: Jan 23, 2004

Group Art Unit: 2816

Title: Alternating Current Switching Circuit

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ☒ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: July 15, 2004  
OR

- ☐ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number \_\_\_\_\_ on \_\_\_\_\_  
Number of pages: \_\_\_\_\_

Typed Name: Bridgett Barrett

Signature: [Signature]

Respectfully submitted,

B. Mark Hirst

By [Signature]

Gregg W. Wisdom

Attorney/Agent for Applicant(s)

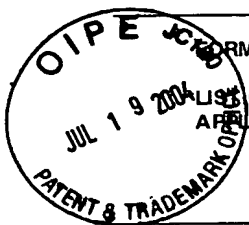
Reg. No. **40,231**

Date: **July 15, 2004**

Telephone No.: **360 212 8052**

## PATENT APPLICATION

Sheet 1 of 1



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200300840-1

APPLICATION NO.

10/763,664

CONFIRMATION NO.

9388

APPLICANT

B. Mark Hirst

FILING DATE

Jan. 23, 2004

GROUP

2816

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	4720668	Jan. 19, 1988	Lee et al.	
	1B	4961048	Oct. 2, 1990	Banura	
	1C	5004969	Apr. 2, 1991	Schanin	
	1D	5006737	Apr. 9, 1991	Fay	
	1E	5010261	Apr. 23, 1991	Steigerwald	
	1F	5646514	Jul. 8, 1997	Tsunetsugu	
	1G	6061253	May 9, 2000	Igarashi et al.	
	1H	6115267	Sep. 5, 2000	Herbert	
	1I	6351402	Feb. 26, 2002	Carroll	
	1J	2003/0095421	May 22, 2003	Kadatsky et al.	
	1K	6115267	Sep. 5, 2000	Herbert	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO02089303	Nov 7, 2002	Andersen		X
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER

DATE CONSIDERED

## PATENT APPLICATION

Sheet 2 of 2

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200300840-1	10/763,664	9388
	APPLICANT		
	B. Mark Hirst		
	FILING DATE	GROUP	
	Jan. 23, 2004	2816	

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A	6580259	Jun. 17, 2003	Liu et al.	
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

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	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

EXAMINER

DATE CONSIDERED